

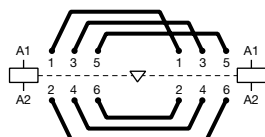
AF190R ... AF370R 3-pole reversing contactors

125 to 300 hp at 480 V AC

AC / DC operated



AF205M-30-22



Power bus diagram

Description

AF190R ... AF370R reversing contactors are mainly used for directionally controlling 3-phase motor circuits up to 690V AC. These devices include two 3-pole contactors, a mechanical interlock, side-mounted auxiliary contacts for electrical interlocking, power bus (see diagram to the left), and are mounted on a backplate.

Note: for mechanically and electrically interlocked devices without power bus, replace the R in the catalog number with an M (ie. AF190R-30-22-13 becomes AF190M-30-22-13).

- Control circuit: AC or DC operated with electronic coil interface accepting a wide control voltage range (e.g. 100...250 V AC and DC), only 4 control voltage ranges covering 24...500V 50/60 Hz and 20...500 V DC
- can manage large control voltage variations
- reduced panel energy consumption
- very distinct closing and opening
- can withstand short voltage dips and voltage sags (SEMI F47-0706 conditions of use on request).
- Built-in surge suppression
- Add-on auxiliary contact blocks for side mounting and a wide range of accessories.

Ordering details

IEC		UL / CSA		Rated control circuit voltage Uc min. ... Uc max.		Auxiliary contacts fitted	Catalog number	Global reference code (2)	Weight Pkg (1 pce) kg (3)
Rated operational power	current $\theta \leq 40^\circ\text{C}$	3-phase motor rating 480 V	General use rating 600 V AC						
400 V AC-3	AC-1								
kW	A	hp	A (1)	V 50/60 Hz	V DC				
90	275	125	230 [250]	24...60	20...60	2 2	AF190R-30-22-11		
				48...130	48...130	2 2	AF190R-30-22-12		
				100...250	100...250	2 2	AF190R-30-22-13		
				250...500	250...500	2 2	AF190R-30-22-14		
110	350	150	250 [300]	24...60	20...60	2 2	AF205R-30-22-11		
				48...130	48...130	2 2	AF205R-30-22-12		
				100...250	100...250	2 2	AF205R-30-22-13		
				250...500	250...500	2 2	AF205R-30-22-14		
140	400	200	300 [350]	24...60	20...60	2 2	AF265R-30-22-11		
				48...130	48...130	2 2	AF265R-30-22-12		
				100...250	100...250	2 2	AF265R-30-22-13		
				250...500	250...500	2 2	AF265R-30-22-14		
160	500	250	350 [400]	24...60	20...60	2 2	AF305R-30-22-11		
				48...130	48...130	2 2	AF305R-30-22-12		
				100...250	100...250	2 2	AF305R-30-22-13		
				250...500	250...500	2 2	AF305R-30-22-14		
200	600	300	400 [520]	24...60	20...60	2 2	AF370R-30-22-11		
				48...130	48...130	2 2	AF370R-30-22-12		
				100...250	100...250	2 2	AF370R-30-22-13		
				250...500	250...500	2 2	AF370R-30-22-14		

(1) The higher ratings shown in [brackets] can be achieved through the use of LX.. Terminal extensions. Terminal extensions are included as standard for reversing contactors, but must be purchased separately for mechanically and electrically interlocked devices.

(2) Available in the US and Canada only.

(3) Available upon request.

Mounting dimensions mm, inches (upon request)